Global Model Investigation of Warm Season Precipitation for North American Monsoon Experiment
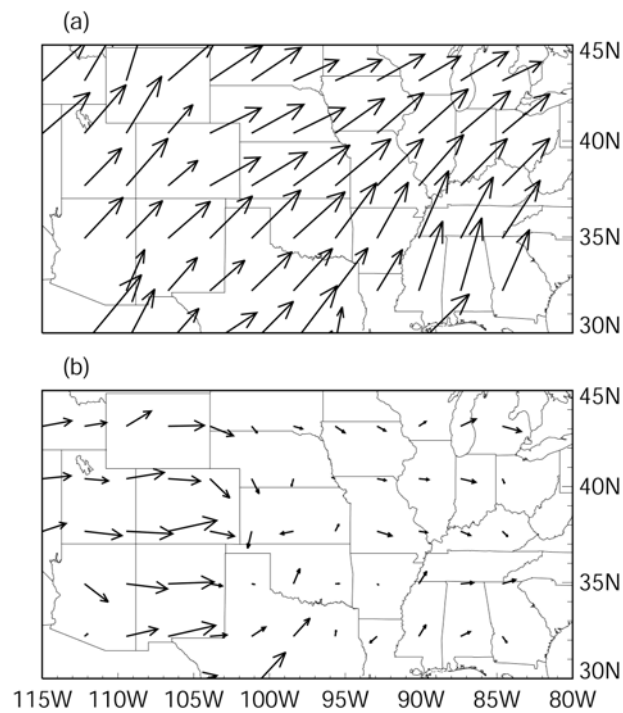

Fig. 1: Dial vector of diurnal cycle of convective precipitation in JJA from (a) standard CCM3, and (b) same except with the new convective parameterization closure.

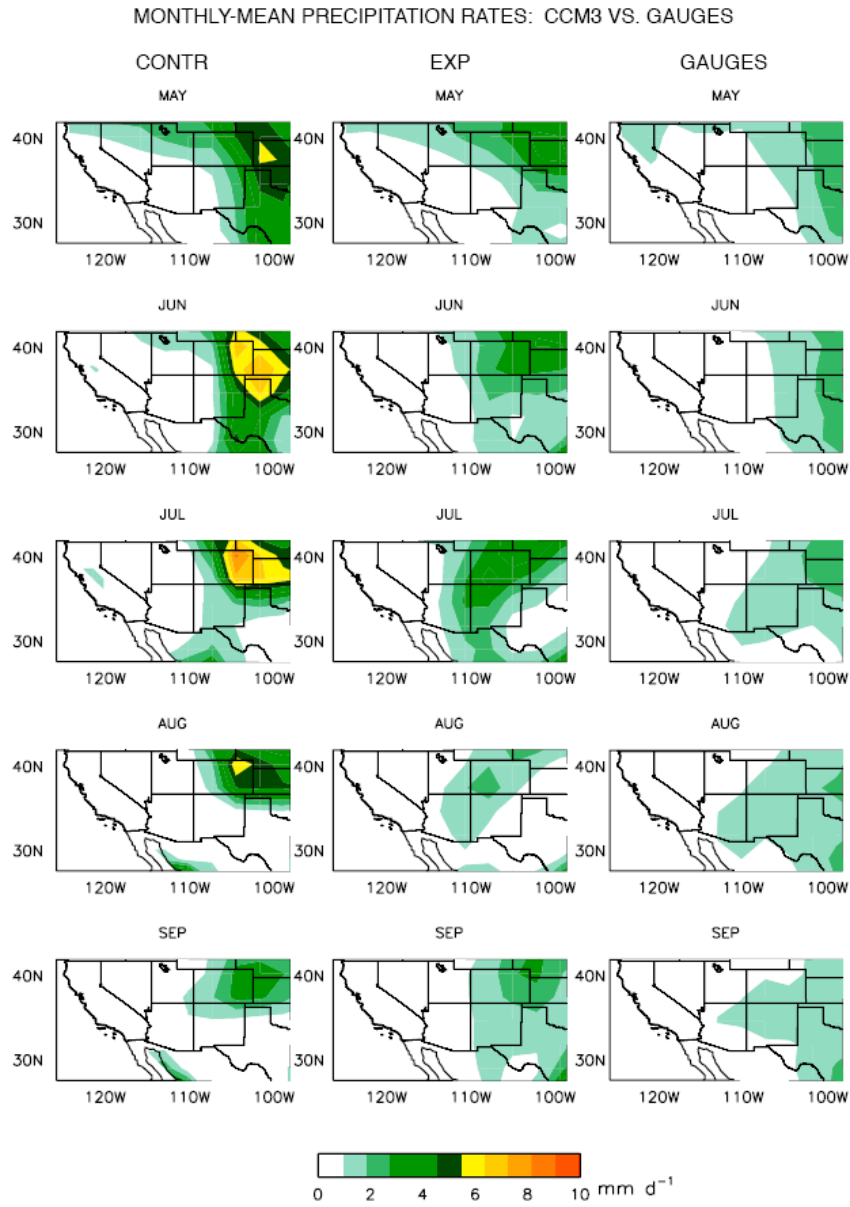MONTHLY-MEAN PRECIPITATION RATES: CCM3 VS. GAUGES

Fig. 2: Monthly-mean precipitation from standard CCM3 (left), CCM3 with a new convection parameterization closure (middle) and surface gauge observations (right), averaged over years 1994-2002 for the warm season May-September.
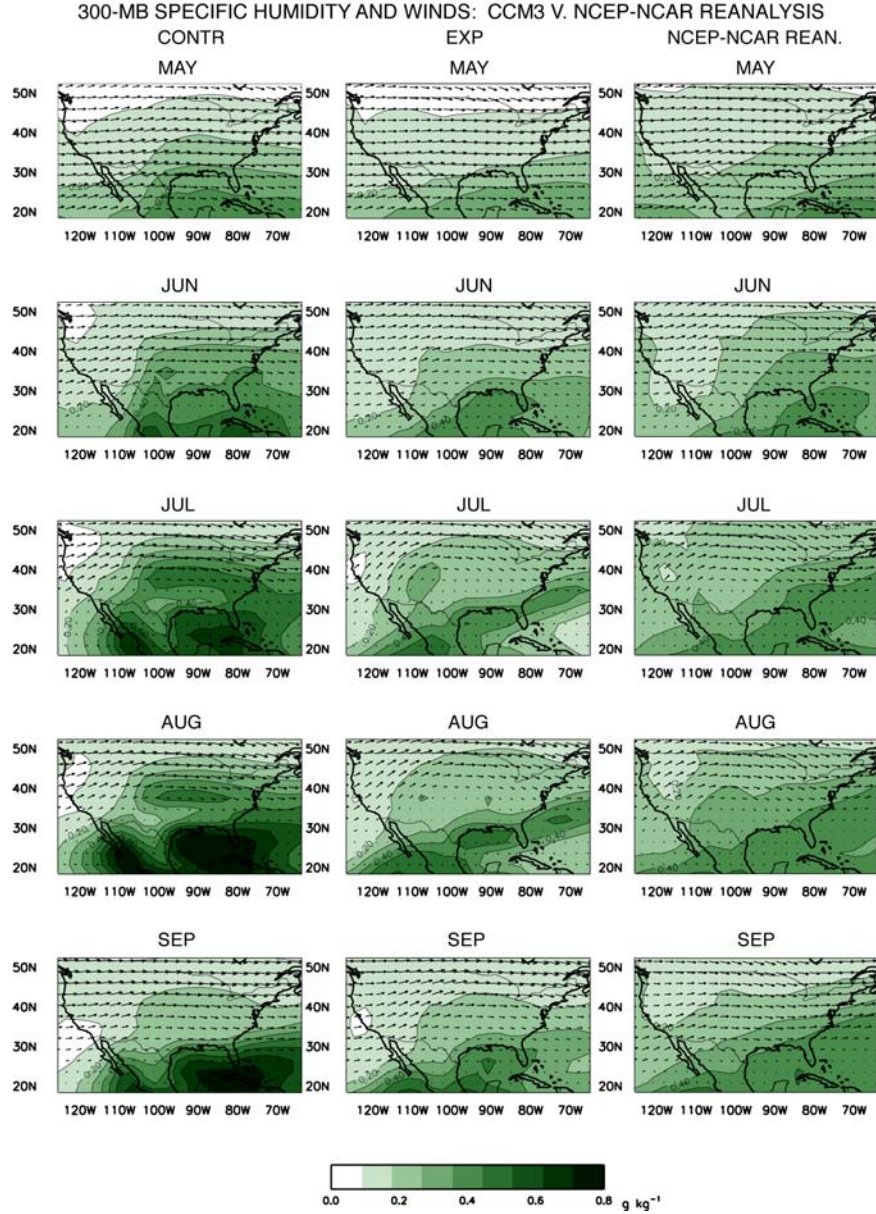
Fig. 3: Monthly-mean 300 mb specific humidity and horizontal winds for CCM3 CONTR (left), CCM3 EXP (center), and NCEP-NCAR reanalysis (right), averaged over years 1994-2002.